

LEGEND

- ① FLEXIBLE RUBBER HOSE, MIN. $\frac{3}{16}$ " THICK WALL. I.D. TO SUIT DOWNSPOUT.
- ② 10 GAGE ST. STL. CLAMP GRADE 304.
- ③ NEW 6" ϕ DOWNSPOUT PIPEING SHALL BE REINFORCED THERMOSETTING RESIN PIPING (RTRP) CONFORMING TO ASTM D2996 & 2310.
- ④ 10 GAGE GALV. STEEL SADDLE.
- ⑤ $\frac{5}{8}$ " ϕ ST. STL. THREADED ROD (GRADE 304) WITH ST. STL. HEX NUTS & WASHERS OR GALV. ROD.
- ⑥ $\frac{1}{2}$ " ϕ X 8" LG. ST. STL. THREADED ROD (GRADE 304) WITH ST. STL. HEX NUTS & WASHERS.
- ⑦ 6" LG. SPLIT RTRP STRIP. BOND TO #3, PLACE AT ALL CLAMP LOC'S.
- ⑧ BENT ANCHOR PL. - 7 GAGE ST. STL. GRADE 304.
- ⑨ $\frac{1}{2}$ " ϕ ADHESIVE ANCHOR BOLTS. (ST. STL. BOLT & WASHER - TYP.)
- ⑩ BREEZE "HI-TORQUE CLAMP" #HTM-700 304 HALF HARD ST. STL. OR EQUIV. (4 REQ'D. PER EACH #1).
- ⑪ 7 GAGE ST. STL. GUSSET PL. WELD TO #2 & 8.
- ⑫ $\frac{3}{8}$ " X 1" LG. ST. STL. HEX HEAD BOLT WITH NUT&LOCK WASHER.

DOWNSPOUT NOTES

CLEVIS, PIPE CLAMPS, HANGERS & MISS. ITEMS ARE INCLUDED IN BID ITEM "RTRP DOWNSPOUTS, 6".

TIGHTEN CLAMPS TO A TIGHT SLIP FIT (FOR TEMP. EXPANSION).

ALL ELBOWS TO BE LONG RADIUS TYPE.

CONTRACTOR TO FIELD VERFIY ALL DEMINSIONS.

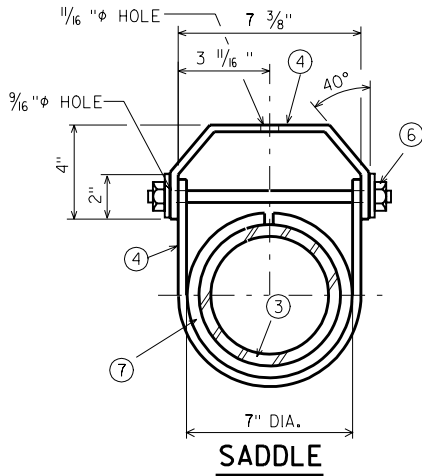
A CLAMP OF EQUAL STRENGTH MAY BE USED AS AN ALTERNATE.

RTRP DOWNSPOUT TO BE SUPPORTED AT 8'-0" MAX. SPACING USING ONE OF THE SHOWN BRACKETS. REPLACE DOWNSPOUT SYSTEM FROM EXIST. REDUCER TO TO NEW FLOOR DRAIN.

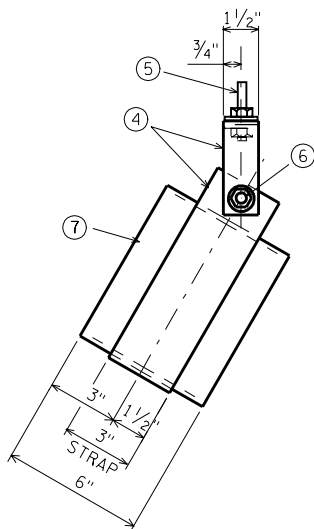
REMOVE EXISTING REDUCER & USE NEW FLEXIBLE CONNECTION TO CONNECT NEW DOWNSPOUT TO EXISTING DOWNSPOUT. ALL NEW SYSTEM AT PIER 9.

INSTALL CLEAN-OUTS AT ELBOWS AS NEEDED.

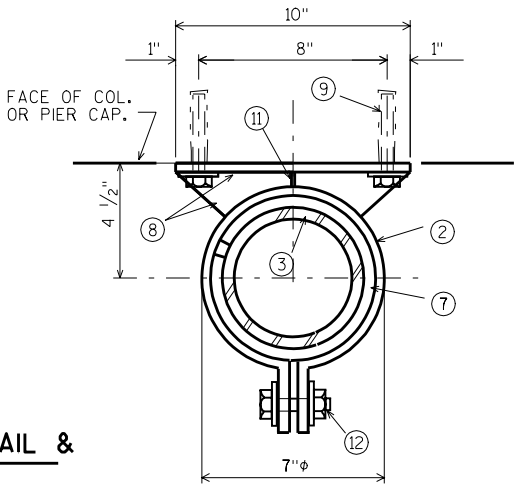
DRAIN WORK TO BE COMPLETED AS DIRECTED BY THE ENGINEER.



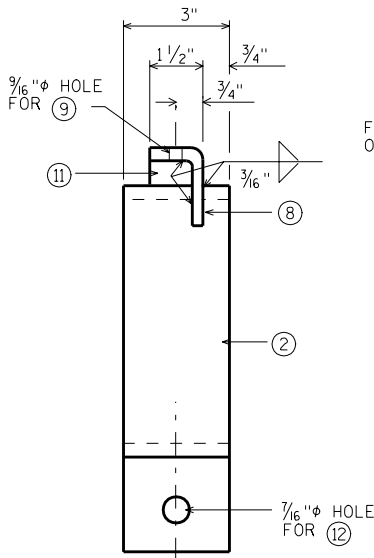
SADDLE



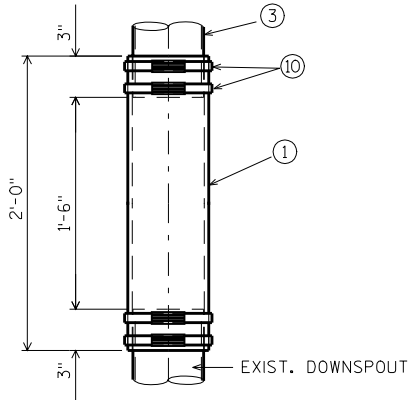
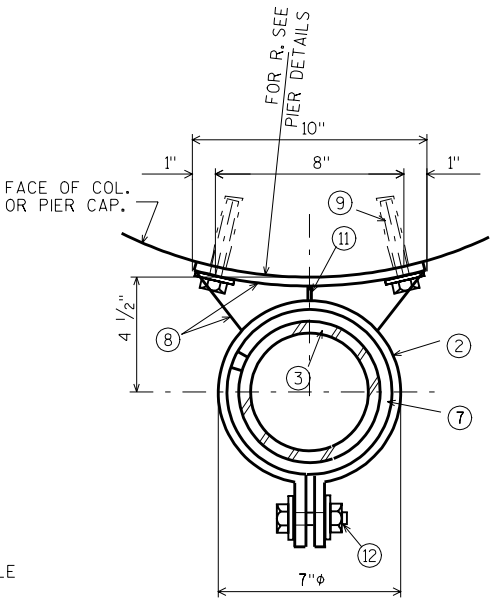
ADJUSTABLE CLEVIS DETAIL & PIPE HANGER DETAILS



PIPE CLAMP DETAILS



PIPE CLAMP DETAILS



FLEXIBLE CONNECTION

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
STRUCTURE			
CONST. SPEC.	1996	DRAWN BY	PLANS CK'D.
DOWNSPOUT DETAILS			SHEET

FILE= DOWNSP.DGN
SCALE = 1/8"=1'-0"